CONTENTS

Cited in Biological Abstracts; Elsevier BIOBASE/Current Awareness in Biological Sciences; Current Contents / Life Sciences; EMBASE/Excerpta Medica; Index Medicus; Informedicus; Pascal M

Special Issue: Proceedings of the International Workshop on Inhibins, Activins and Follistatins

Contents

Preface

Workshop on inhibins, activins and follistatins
D.J. Phillips (Australia) 1

Review Papers

The transcriptional role of Smads and FAST (FoxH1) in TGFβ and activin signalling
L. Attisano, C. Silvestri, L. Izzi, E. Labbé (Canada) 3

Transforming growth factor β signalling in vitro and in vivo: activin ligand–receptor interaction, Smad5 in vasculogenesis, and repression of target genes by the δEF1/ZEB-related SIP1 in the vertebrate embryo
A. Zwijsen, L.A. van Grunsven, E.A. Bosman, C. Collart, L. Nelles, L. Umans, T. Van de Putte, G. Wuytens, D. Huylebroeck, K. Verschueren (Belgium) 13

Intracellular and extracellular control of activin function by novel regulatory molecules
K. Tsuchida, T. Matsuzaki, N. Yamakawa, Z.H. Liu, H. Sugino (Japan) 25

Follistatin-related protein (FSRP): a new member of the follistatin gene family
A. Schneyer, D. Tortoriello, Y. Sidis, H. Keutmann, T. Matsuzaki, W. Holmes (USA) 33

Studying TGF-β superfamily signaling by knockouts and knockins
H. Chang, A.L. Lau, M.M. Matzuk (USA) 39

Antagonism of activin by inhibin and inhibin receptors: a functional role for betaglycan-glycan
P.C. Gray, L.M. Bilezikjian, W. Vale (USA) 47

An emerging role for co-receptors in inhibin signal transduction
D.J. Bernard, S.C. Chapman, T.K. Woodruff (USA) 55

Inhibin binding sites and proteins in pituitary, gonadal, adrenal and bone cells
P.G. Farnworth, C.A. Harrison, P. Leembruggen, K.L. Chan, P.G. Stanton, G.T. Ooi, N.A. Rahman, I.T. Huhtaniemi, J.K. Findlay, D.M. Robertson (Australia, Finland) 63

Enzyme immunoassays for inhibins, activins and follistatins
N.P. Groome, A. Tsigou, M. Cranfield, P.G. Knight, D.M. Robertson (UK, Australia) 73

Development of an inhibin α subunit ELISA with broad specificity
D.M. Robertson, T. Stephenson, N. Cahir, A. Tsigos, E. Pruysers, P.G. Stanton, N. Groome, P. Thirunavukarasu (Australia, UK) 79

Inhibins, activins and follistatin: actions on the testis
D.M. de Kretser, K.L. Loveland, T. Meehan, M.K. O'Bryan, D.J. Phillips, N.G. Wreford (Australia) 87

Operation of the follicle-stimulating hormone (FSH)–inhibin B feedback loop in the control of primate spermatogenesis
S. Ramaswamy, T.M. Plant (USA) 93

Serum inhibin B levels during male childhood and puberty
A.-M. Andersson, N.E. Skakkebæk (Denmark) 103

Clinical studies: inhibin in the adult male
R.A. Anderson (UK) 109

Measurement of inhibin A and activin A in pregnancy – possible diagnostic applications
W.L. Ledger (UK) 117

Changes in inhibins and activin secretion in healthy and pathological pregnancies
P. Florio, L. Cobellis, S. Luisi, P. Ciarmela, F.M. Severi, C. Bocchi, F. Petraglia (Italy) 123

Physiological and regulatory roles of activin A in late pregnancy
G. Jenkin, J. Ward, J. Loose, M. Schneider-Kolsky, R. Young, B. Canny, A. O'Connor, D. de Kretser, E. Wallace (Australia) 131

Production and actions of inhibin and activin during folliculogenesis in the rat
J.K. Findlay, A.E. Drummond, M. Dyson, A.J. Baillie, D.M. Robertson, J.-F. Ethier (Australia) 139
The inhibins and ovarian cancer
H.G. Burger, P.J. Fuller, S. Chu, P. Mamers, A. Drummond, B. Susil, P. Neva, D.M. Robertson (Australia) 145
The contribution of inhibins and activins to malignant prostate disease
G.P. Risbridger, S.L. Mellor, S.J. McPherson, J.F. Schmitt (Australia) 149
Evidence for activin A and follistatin involvement in the systemic inflammatory response
D.J. Phillips, K.L. Jones, J.-P.Y. Scheerlinck, M.P. Hedger, D.M. de Kretser (Australia) 155
Expression of activin A in inflammatory arthropathies
R. Gribi, T. Tanaka, R. Harper-Summers, J. Yu (USA) 163
The roles of activins in repair processes of the skin and the brain
B. Munz, Y.P. Tretter, M. Hertel, F. Engelhardt, C. Alzheimer, S. Werner (Germany, USA, Switzerland) 169
Role of the activin-follistatin system in the morphogenesis and regeneration of the renal tubules
I. Kojima, A. Maeshima, Y.-Q. Zhang (Japan) 179
Involvement of activin in the regulation of bone metabolism
R. Sakai, Y. Eto (Japan) 183

Abstracts 189